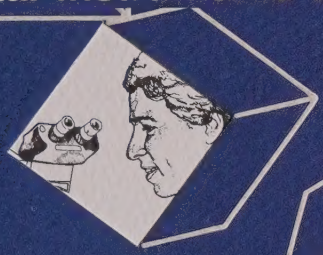
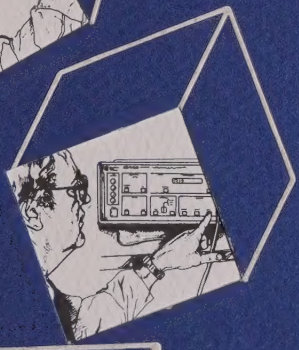
tau-tron

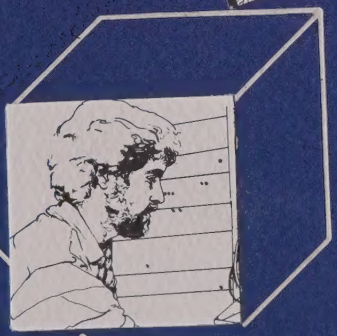
A UNIT OF

GENERAL SIGNAL

Digital Instruments Division

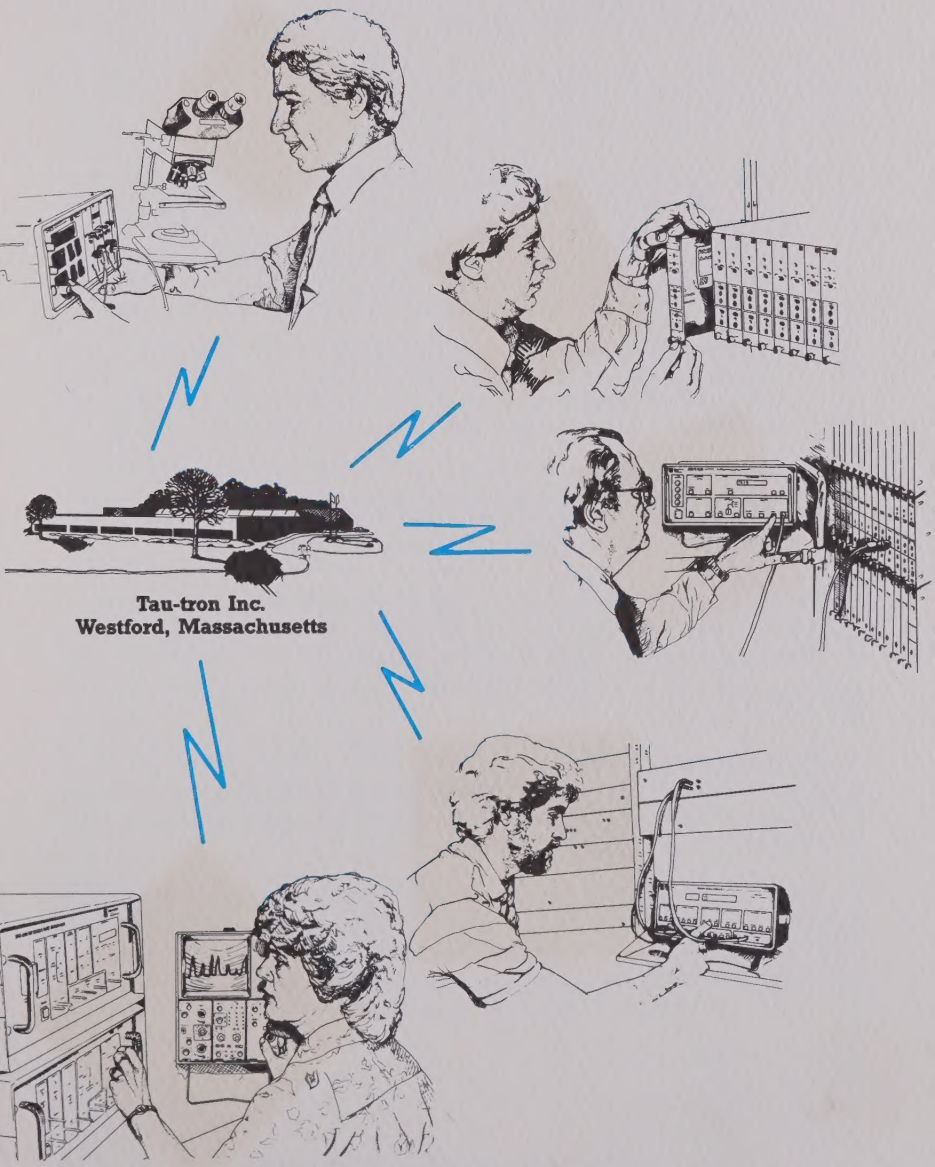






1987-88

. . . Continuing to expand upon the building blocks of the communications industry.



Tau-tron Inc.
Westford, Massachusetts

ABOUT TAU-TRON . . .

TAU-TRON INC., a Unit of General Signal, is a Massachusetts-based manufacturer of high-speed digital test and measurement equipment and network systems for the worldwide telecommunications marketplace. Since its founding in 1968, Tau-tron has worked closely with other leaders in the industry, supplying state-of-the-art equipment for important systems development work in both terrestrial and satellite applications. Tau-tron's product lines support both operational and research and development needs.

As an industry innovator, we are dedicated to meeting the changing industry demands of today and challenging those of tomorrow. We offer three main product groups:

- ***Telecommunications Test Equipment*** – Tau-tron's family of DS1–DS3 products is the industry standard for digital telecommunications testing. For facilities utilizing virtually any transmission medium, including microwave radio, satellite, fiberoptics, coaxial cable or paired cable and in diversified applications, Tau-tron's digital telecommunications products perform with unwavering excellence.
- ***Laboratory Instruments*** – Tau-tron Bit Error Rate Test Sets have set the standard for accurate high-speed testing to 1150 Mb/s, providing sophisticated instruments for research and development laboratories, manufacturing applications, and digital tape recorder testing.
- ***Fiberoptic Test Sets*** – This line of instruments interact directly with optical fibers or cables for varied applications in both data communications and telecommunications, manufacturing, optical sensor technology, and in military and automotive areas.

Tau-tron's 104,000 square foot facility in Westford, Massachusetts, is the headquarters for Manufacturing, Engineering, Marketing, Sales, Finance, and Human Resources. Regional and International sales offices are located throughout the United States, boasting a service network unmatched in turnaround time.

All Tau-tron instruments are warranted for three years against any defects in material and workmanship and are backed by extensive support services and documentation. Tau-tron engineers can provide expert applications help for customers in all parts of the world.

This catalog highlights Tau-tron's diverse product lines. It does not, however, provide full technical specifications, pricing, applications, or ordering information. Complete product literature and other information can be obtained by returning the reply card attached to the catalog's back cover or by calling or writing to us at the address listed below.

TAU-TRON INC.
10 Lyberty Way
Westford, MA 01886
Telephone: 617-692-5100
800-TAU-TRON (800-828-8766) (*outside MA*)
Telex: 750245

PRODUCT INDEX

TELECOMMUNICATIONS

Page

S5104 DS1/DS1C/DS2 Digital Transmission Test Set 1
S5104-10 Extended Superframe Interface Unit 1
S5105 DS1 Transmission Error Rate Test Set 2
S5108 DS1 Digital Transmission Test Set 2
S5200E DS3 Digital Transmission Test Set Transmitter and Receiver . . 3
S5250 DS3 Digital Transmission Test Set 3
DS3 Multichannel Test Unit (MCTU) 4
S5260 6-Output DS3 Signal Source—Standalone 5
S5261 6-Output DS3 Signal Source—Rackmount 5
S5262 6-Output DS3 Signal Source—Shelfmount 6
5263 18-Output DS3 Signal Source—Shelfmount 6
5264 18-Output DS3 Signal Source—Rackmount 7
5902 Printer 7
5910A DC–AC Power Converter 8

DS3 Span Repeaters

BR-3 Span Repeater—Unprotected 8
BR-3P Span Repeater—Protected 9
Portable DS3 Repeater 9
MF-30 DS3 Main Shelf 10
BR-3P-JP Interface Jack Panel 10

LABORATORY

BERTS-25 Bit Error Rate Test Set 11
BERTS-325C Bit Error Rate Test Set 11
BERTS-650 Bit Error Rate Test Set 12
BERTS-1150 Bit Error Rate Test Set 12
MA-4A NRZ-L CDP Encoder/Decoder 13
MA-301 Dual Input/Output Amplifier 13
MA-506 Six-Channel Amplifier 14
MA-550 Dual-Channel Amplifier 14
MB-302 BERTS Receiver 15
MC-303 NRZ-L Binary Encoder 15
MC-304 NRZ-L Binary Decoder 16
MC-550 NRZ/RZ Code Converter 16
MD-302 Delay Generator 17
MDW-200 Multiple Channel Delay and Width Module 17
ME-302 Data Rate Extender 18
MF-5 Mainframe 18
MG-502 256-Bit Data Generator 19
MN-302 Pseudorandom Generator 19
5902 Printer 20
MS-302 Clock Source 20
MX-302 Crystal Clock Source 21
SDG-1001 Data Generator 21

LABORATORY *(Cont)* **Page**

STX-1101 Bit Error Rate Test Transmitter 22
SRX-1101 Bit Error Rate Test Receiver 22

Components

MA-550M High-Speed Driver 23
PL-204M Phase Shift Hybrid 23
PM-501M Ultra Wide-Band Programmable Driver 24
PA-5M Programmable Driver 24
MA-800M Ultra Wide-Band Programmable Driver 25

FIBEROPTICS

5410 Multimode Optical Loss Test Set (MOLTS) 25
Fiberoptics Measurement Unit 26
5415 Mainframe 26
5415-62 Wide Area Detector Module 27
5415-30 Dual Wavelength Emitter Modules 27
Single Wavelength Emitter Modules 28
5490 Voicelink Fiber Communications Set 28

ACCESSORIES

DS3 Testing

BNC to WECo 440 (Miniature) Cable 29
WECo 358 to WECo 358 (Large) Cable 29
BNC to WECo 440 (Miniature) Adapter 29
BNC to WECo 358 (Large) Adapter 30
WECo 440 to WECo 440 (Miniature) Cable 30
WECo 358 (Large) to WECo 440 (Miniature) Cable 30
BNC to WECo 358 (Large) Cable 31
Cable Simulators 31
DS3 Power Splitter 31
S5262-10 Mounting Shelf 32
5263-10 DS3 Source Module Rack 32
5263-20 Blank Panel 32
BP-20 Blank Panel 32

DS1, DS1C, and DS2 Testing

WECo 310 to Alligator Clips 33
WECo 310 to WECo 310 Cable 33
BNC to WECo 310 Cable 33
Bantam Single to WECo 310 Cable 34
Bantam Single to Weco 310 Adapter 34
WECo 310 Plug 34

ACCESSORIES (*Cont*)

Page

Laboratory

BP-2 Blank Module, ½-Size 35
BP-4 Blank Module, ¼-Size 35
EC-1 Power Extender Cable 36
EC-3 Remote Programming Extender Cable 36

General Purpose

Twinax to Twinax (124-Ohm) Cable 37
BNC to BNC Cable 37
Twin Banana Plug 37
BNC Tee 38
BNC to Double Banana Adapter 38
Null Modem and 120-in. (300-cm) Cable 38

Carrying Cases

BERTS-25 Error Measurement System 39
BERTS-325C Bit Error Rate Test Set 39
BERTS-650 Bit Error Rate Test Set 39
STX-1101 Bit Error Rate Transmitter 39
SRX-1101 Bit Error Rate Receiver 39
S5104 DS1/DS1C/DS2 Digital Transmission Test Set 39
S5105 DS1 Digital Transmission Error Rate Test Set 40
S5200E-TX, -RX DS3 Digital Transmission Test Set 40
S5250 DS3 Digital Transmission Test Set 40
5415 Fiberoptics Measurement Unit 40
5902 Printer 40

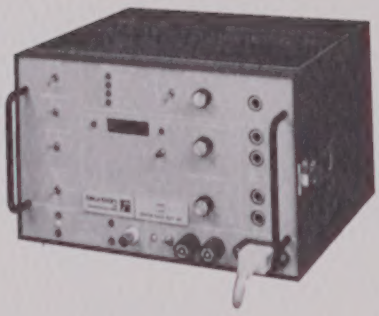
S5104
DS1/DS1C/DS2 DIGITAL TRANSMISSION TEST SET

. . . a comprehensive instrument providing complete characterization of digital transmission systems.

- Transmitter and receiver combined into one portable, standalone unit
- Choice of framed or unframed patterns on all transmission rates
- Programmable words and length
- Programmable bit and bipolar error rates
- Provides jitter generation and measurement capability at all transmission rates

S5104-10
EXTENDED SUPERFRAME INTERFACE UNIT . . . *adapts S5104 units for use with DS1 extended superframe (ESF) facilities.*

- Converts CRC-6 errors into frame bit errors, which are recognized by the S5104
- Converts ESF framing format to D4 (receive side) and D4 to ESF (transmit side)
- Converts BPV's generated by the S5104 into ESF CRC-6 errors
- Mounts on S5104; no internal retrofit required



S5105
DS1 TRANSMISSION ERROR RATE TEST SET

. . . a portable Error Rate Test Set designed for cost-effective monitoring and testing.

- Measures bit errors and bipolar violations
- Tests automatic protection switches
- Standard $2^{20}-1$ pseudorandom sequence
- Transmitter and receiver in one compact unit

5108
DS1 DIGITAL TRANSMISSION TEST SET

. . . a comprehensive instrument providing complete characterization of DS1 transmission systems, including ESF and SLC-96 capability.

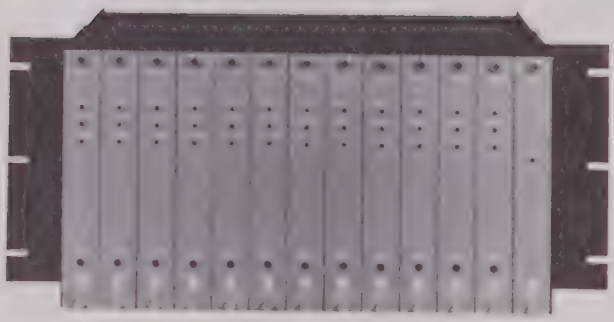
- Transmitter and Receiver combined into one portable, easy to use, standalone unit
- Choice of D4, ESF, SLC-96, or unframed frame formats
- BPV, CRC-6, pattern (bit), and frame error injection and measurement capability
- Select from several available pseudorandom patterns or a programmable word
- Optional jitter and wander (TIE) measurement capability

S5200E
DS3 DIGITAL TRANSMISSION TEST SET
TRANSMITTER AND RECEIVER . . . *provide comprehensive test and monitoring capabilities for digital systems. The S5200E units also provide an unsurpassed degree of confidence in data collection and analysis for a wide variety of applications.*

- More than 30 simultaneous measurements for system performance tests and characterization, fault analysis, monitoring, and statistical data
- Receiver capable of measuring frame and parity errors on live traffic
- Fast error-tolerant frame synchronization
- Wide dynamic range; receiver works at levels attenuated by more than 26 dB below the DSX level
- Jitter-tolerant, frequency/phase-locked clock recovery

S5250
DS3 DIGITAL TRANSMISSION TEST SET . . . *complements the S5200E Digital Transmission Test Set. The S5250 is intended for use by craftspersons in a field environment for maintenance testing, short-term monitoring, and for various system installation procedures.*

- DS3 parity, DS3 frame, bit, and bipolar violation (BPV) measurements
- Uses industry-proven techniques from S5200E
- Timed measurement modes for system performance testing



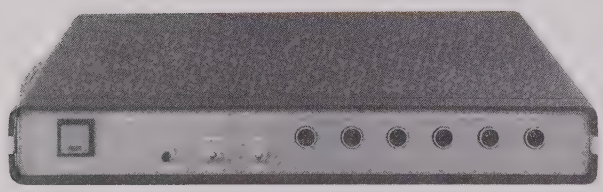
DS3 MULTICHANNEL TEST UNIT (MCTU) . . . ***analyzes and reports measurements of up to 48 DS3 channels simultaneously. Ideal for monitoring live channels in functioning networks.***

- Excellent for testing DS3 systems in manufacturing environments when used with the 5263 Signal Source
- Modular design allows for feature and expansion
- One to 12 Model 5263 DS3 Receiver/Card Modules can be inserted into each Receiver Module Rack

S5260
6-OUTPUT DS3 SIGNAL SOURCE—STANDALONE

. . . 115 Vac, providing six DS3-level outputs for use as a keep-alive source and maintenance tool in telephone company central offices and by manufacturers in quality control and manufacturing test applications.

- PRBS or AIS (blue signal) patterns
- DSX-3 or DS3 high-level outputs
- External source synchronization

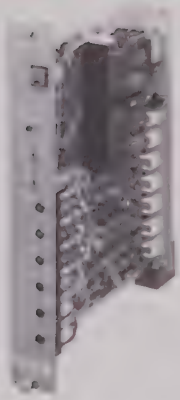


S5261

S5261
6-OUTPUT DS3 SIGNAL SOURCE—RACKMOUNT

. . . −24 Vdc/−48 Vdc input, providing six DS3-level outputs for use as a keep-alive source and maintenance tool in telephone company central offices and by manufacturers in quality control and manufacturing test applications.

- PRBS or AIS (blue signal) patterns
- DSX-3 or DS3 high-level outputs
- Compact rackmount configuration
- External source synchronization



S5262
6-OUTPUT DS3 SIGNAL SOURCE—SHELFMOUNT

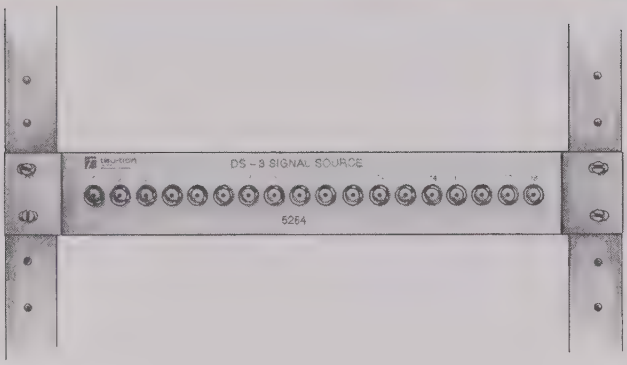
. . . 115 Vac, providing six DS3-level outputs for use as a keep-alive source and maintenance tool in telephone company central offices and by manufacturers in quality control and manufacturing test applications.

- PRBS or AIS (blue signal) patterns
- DSX-3 or DS3 high-level outputs
- Compact shelfmount configuration fits in an [illegible] mounting shelf

5263
18-OUTPUT DS3 SIGNAL SOURCE—SHELFMOUNT

. . . provides 18 DS3 compatible signals. The 5263 module mounts into a shelf, with each shelf holding up to four modules.

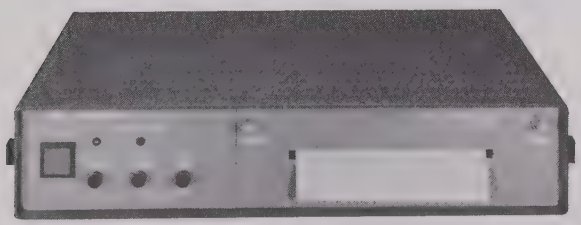
- 2[illegible]1 PRBS, ALL ONES, and Bell DS3 BLUE patterns
- Framed or unframed data patterns may also be selected
- Multiple DS3 compatible source outputs
- Ideal for system tune-up and check-out



5264
18-OUTPUT DS3 SIGNAL SOURCE—RACKMOUNT

. . . provides 18 DS3 signal outputs in a single compact module. The 5264 mounts directly into an 11-inch DSX-3 bay as well as standard 19-inch or 23-inch equipment bays.

- 2^{15}–1 PRBS at a DSX-3 compatible level
- Standard DS3 frame pattern
- Ideal for Central Office, digital radio or fiberoptic transmission system DS3 channel keep-alive applications



5902
PRINTER

. . . a self-contained, 40-column thermal printer which includes versatile control and interface electronics. The 5902 is fully compatible with Tau-tron's line of Digital Transmission Test Set equipment and provides automatic hard-copy records of measurement data and test results.

- Quiet thermal operation
- RS-232 or RS-449 and GPIB interfaces available
- Externally selectable baud rates from 110 to 9600 bps
- Convenient Stac-Trac Mounting Kit available

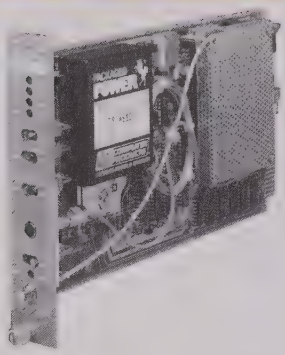
5910A
DC–AC POWER CONVERTER . . . ***designed to drive Tau-tron's portable test equipment, the 5910A is a compact, self-contained power conversion device that converts central office DC (battery) into AC to power Tau-tron test equipment.***

- −42 to −56 Vdc input
- 115 Vac output to 160 watts

DS3 Span Repeaters

BR-3
SPAN REPEATER—UNPROTECTED . . . ***provides a means of signal regeneration and extension of DS3 signals from 1 to 900 feet (0.3 to 274.3m).***

- DSX or H1 levels
- −24 Vdc to −48 Vdc power input
- LED status indicators
- Monitor jack
- Form C relay for alarms
- MTBF 100,000 hours



BR-3P
SPAN REPEATER—PROTECTED

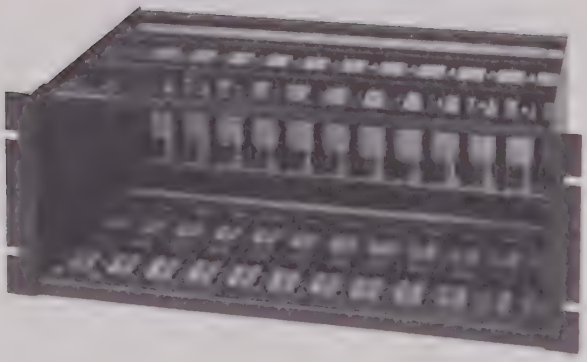
. . . provides a means of signal regeneration and extension of DS3 signals from 1 to 900 feet (0.3 to 274.3m).

- ***Two*** BR-3P modules required for *protected* operation
- Instantaneous switching
- DSX or H1 levels
- MTBF 1,600,000 hours
- 1:1 protected

PORTABLE DS3 REPEATER

. . . a portable unit that includes four BR-3 Repeater Modules in a rugged, portable mainframe.

- Compact and portable
- DSX or high levels
- −24 Vdc to −48 Vdc powered
- LED status indicators
- Monitor jack
- Form-C relay for alarms
- MTBF 100,000 hours



MF-30
DS3 MAIN SHELF

. . . holds from 1 to 12 BR-3 modules, from 1 to 6 pairs of BR-3P modules, or a combination of both module types.

- 19-inch or 23-inch (48 2 or 58 4 cm) rack-mounted
- Power and alarm connections provided

BR-3P-JP
INTERFACE JACK PANEL

. . . splits the DS3 input signal into two DS3 signals for use by each pair of BR-3P Repeaters.

- Monitor test point for output
- WECo 440 compatible

BERTS-25
BIT ERROR RATE TEST SET

. . . a complete lab-in-a-box that provides bit-error measurements on digital data recording equipment and communications links such as cable systems, radio links, fiberoptics, and related equipment.

- 100 Hz to 25 MHz
- Broad choice of error injection
- Fully independent receiver
- Simultaneous total errors and error rate
- Built-in thermal printer
- Elapsed-time measurements

BERTS-325C
BIT ERROR RATE TEST

. . . a self-contained complete modular test set for bit error-rate measurements from 1 kb/s to 325 Mb/s.

- Built-in clock source
- Optional crystal frequencies
- Four pseudorandom sequences to $2^{23}-1$ bits
- Automatic reference-data selection and synchronization
- Burst-error mode operation
- Includes MF-5, MS-302, MN-302, MB-302, and IEEE-488 Interface (GPIB)

BERTS-650
BIT ERROR RATE TEST SET

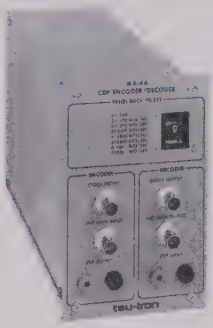
. . . a complete modular test set for bit error-rate measurements from 200 to 650 Mb/s.

- Four pseudorandom sequences to $2^{23}-1$ bits
- Automatic interface test selection and synchronization
- Auto ranging or manual bit error-rate measurement
- GPIB interface
- Includes MIL-STD-490 MIL-188C and IEEE-488 Interface (GPIB)

BERTS-1150
BIT ERROR RATE TEST SET

. . . consists of an STX-1101 Transmitter and SRX-1101 Receiver. Transmits and receives pseudorandom data patterns from 90 Mb/s to 1150 Mb/s.

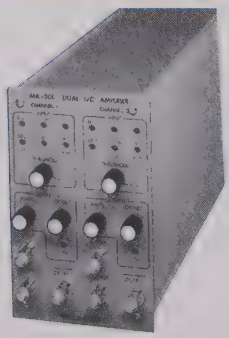
- Two pseudorandom bit patterns ($2^{7}-1$ and $2^{15}-1$) and a Transmitter test pattern (11110000)
- Injects errors from an external source or internally
- Data phase and clock phase adjustable
- Measures total bit errors and bit error rate
- GPIB and RS-232C interfaces



MA-4A
NRZ-L CDP ENCODER/DECODER . . . *a quarter-size* TMI®

Module that provides data code and signal level capability between Tau-tron's Bit Error Rate Test Sets and systems requiring conditioned diphase signals.

- Data-code and signal-level compatibility
- Conditioned diphase data input and output
- 600 b/s to 32 kb/s

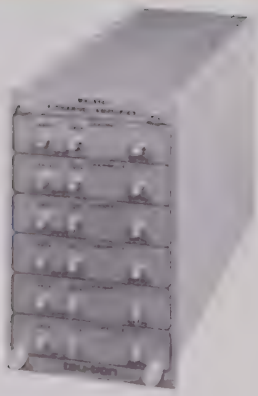


MA-301
DUAL INPUT/OUTPUT AMPLIFIER . . . *a quarter-size* TMI®

Module that provides input- and output-level compatibilities between the test equipment and the system under test.

- DC to 325 MB/s
- Two independent channels
- Selectable input termination and threshold
- Variable output level and offset

TMI® (*Tau-tron Modular Instrument*), a registered trademark of Tau-tron Inc., allows custom instrumentation at off-the-shelf prices for signal generation, conditioning, and detection.



MA-506
SIX-CHANNEL AMPLIFIER

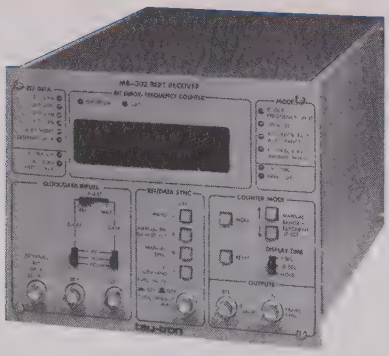
. . . a quarter-size **TMI'** *Module that allows six differential inputs to signal-ended outputs to provide input- and output-level compatibility between the test equipment and the system under test.*

- 200 Mb/s to 500 Mb/s
- BERTS-325C and BERTS-650 applications

MA-550
DUAL-CHANNEL AMPLIFIER

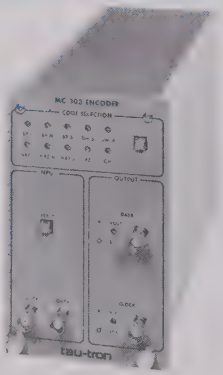
. . . a quarter-size **TMI'** *Module that provides input- and output-level compatibility between the test equipment and the system under test.*

- DC to 500 Mb/s
- Two independent channels
- Selectable input termination and threshold
- Variable output level and offset



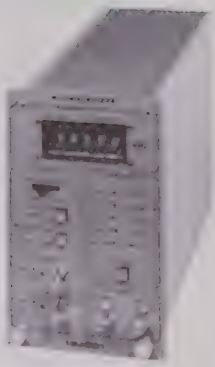
MB-302
BERTS RECEIVER . . . *a half-size* TMI® *Module that provides error-detection and error-measurement capabilities.*

- 1 kb/s to 325 Mb/s with IEEE-488 interface (GPIB)
- Totally automatic or manual sync
- Measures total errors or error rate
- Printer output for automatic data logging or GPIB
- Allows externally applied reference for special requirements



MC-303
NRZ-L BINARY ENCODER . . . *a quarter-size* TMI® *Module that provides output-code compatibility between the test equipment and the system under test.*

- 285-MHz NRZ and RZ encoding
- 145-MHz BiPhase, DM, and CMI encoding
- Selectable TMI or ECL output
- Includes IEEE-488 Interface (GPIB)



MC-304
NRZ-L BINARY DECODER

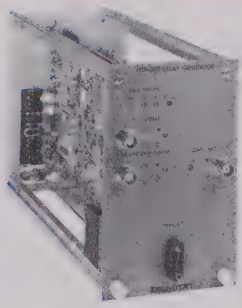
. . . a quarter-size **TMI**® *Module that provides input-code compatibility between the test equipment and the system under test.*

- 285-MHz NRZ and RZ decoding
- 145-MHz BiPhase, DM, and CMI decoding
- Selectable TMI or ECL input
- Includes IEEE-488 Interface (GPIB)

MC-550
NRZ/RZ CODE CONVERTER

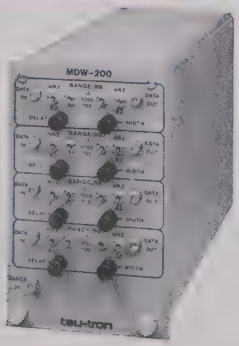
. . . accepts clock and NRZ data and converts the data to RZ format at the output, designed for use with the ME-302 Data Rate Extender or any signal source operating within the specified frequency range.

- 200 Mb/s to 550 Mb/s
- Selectable output levels
- TMI® compatibility



MD-302
DELAY GENERATOR . . . *a quarter-size* TMI® *Module that provides a half-frame delay of data applied to its input.*

- 1 kb/s to 325 Mb/s
- Half-frame delay output
- Selectable output levels
- TMI® compatibility



MDW-200
MULTIPLE CHANNEL DELAY AND WIDTH MODULE

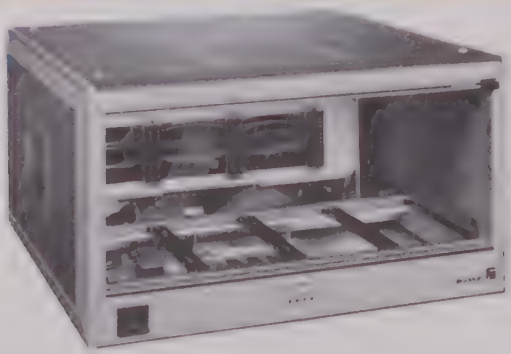
. . . a quarter-size TMI® *unit designed to control input/output signal-width and delay characteristics, providing control over width from 2.5 nanoseconds (ns) to 1000 ns, and delay from a reference point of <30 ns to 1000 ns (1 Hz to 200 MHz), for up to four simultaneous ECL-compatible channels.*

- Coarse or fine, switch-selectable or adjustable range selection
- NRZ and/or RZ input/output modes
- Tau-tron's BERTS-25, BERTS-325C, and BERTS-650 compatible
- Up to 16 channels controllable with MF-5 mainframe and four MDW-200 modules

ME-302
DATA RATE EXTENDER

. . . *a quarter-size* **TMI**® *Module that extends the effective data rate on the MN-302 Pseudorandom Generator and MB-302 BERT Receiver to 650 Mb/s.*

- 200 Mb/s to 650 Mb/s or 700 Mb/s
- Independent multiplier and divider sections
- Clock/data phase adjustment
- Both phases of divider available



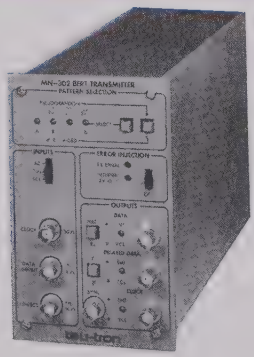
MF-5
MAINFRAME

. . . *provides power and cooling for up to four quarter-size* **TMI**® *Modules and two half-size modules, or two quarter-size modules and one half-size module operating from either 120V, 220V, or 240V lines.*

- Benchmount with IEEE-488 Interface (GPIB)
- Included with the BERTS-325C and BERTS-650
- Rack-panel kit available
- Accepts BP-2 and BP-4 blank modules

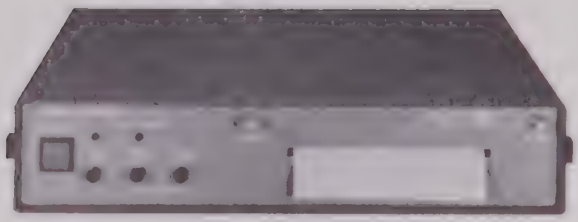
MG-502
256-BIT DATA GENERATOR . . . *a high-frequency, large bit-pattern-capacity data generator that provides a programmable data stream, variable in length from 16 to 256 bits in 5 selectable increments.*

- ½-size TMI® Module
- RZ/NRZ data format
- 1 MHz to 500 MHz
- Data offset for ECL testing
- Single burst/continuous operation



MN-302
PSEUDORANDOM GENERATOR . . . *a quarter-size* TMI®
Module that provides pseudorandom sequences or fixed 16-bit words to simulate the system under test.

- 1 kb/s to 325 Mb/s or 350 Mb/s with IEEE-488 Interface (GPIB)
- Internal error injection of 2 errors per 100 bits
- NRZ or RZ data output at TMI or ECL levels
- Normal or inverted NRZ delayed data output at TMI or ECL levels



5902
PRINTER

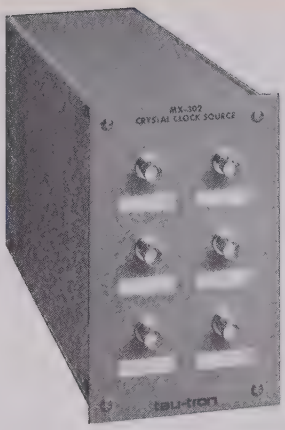
. . . a self-contained, 40-column thermal printer which includes versatile control and interface electronics. The 5902 is fully compatible with Tau-tron's line of Digital Transmission Test Set equipment and provides automatic hard-copy records of measurement data and test results.

- Quiet thermal operation
- RS-232 or RS-449 and GPIB interfaces available
- [illegible]
- Convenient Stac-Trac Mounting Kit available

MS-302
CLOCK SOURCE

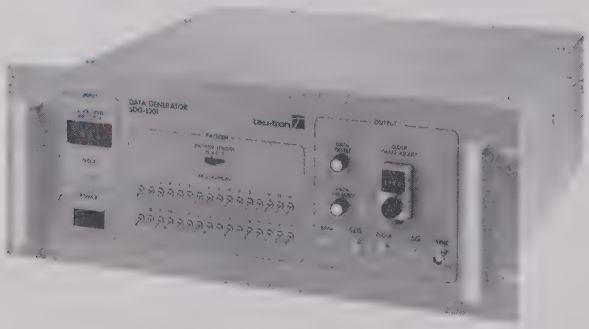
. . . a quarter-size* TMI** *Module that provides the system clock signal; frequencies from 1 kHz to 325 MHz are possible, continuously adjustable over seven ranges.

- Six-digit frequency display
- Up to three crystal controlled frequencies available
- Includes IEEE-488 Interface (GPIB)



MX-302
CRYSTAL CLOCK SOURCE . . . *a quarter-size* TMI® *Module for use with Tau-tron's BERTS-325C and BERTS-650 to provide multiple stable clock frequencies to the test equipment and the system under test.*

- 1-MHz to 650-MHz clock source
- Up to six crystal-controlled frequency outputs
- Customer-specified frequencies



SDG-1001
DATA GENERATOR . . . *provides a programmable digital data pattern from 200 Mb/s to 1000 Mb/s.*

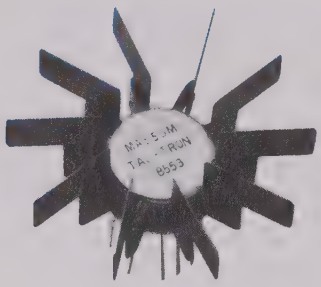
- 15- to 32-bit pattern lengths
- Output-data and clock-phase adjustable
- Simultaneous normal and inverted outputs

STX-1101
BIT ERROR RATE TEST TRANSMITTER . . . *generates pseudorandom data patterns at rates up to 1150 Mb/s.*

- [illegible] and [illegible] and a 11110000 test pattern
- External clock input of 90 Mb/s to 1150 Mb/s
- Remote control via GPIB or RS-232C
- Internal, external, or single error injection
- Data and [illegible] full rate data available simultaneously

SRX-1101
BIT ERROR RATE TEST RECEIVER . . . *receives pseudorandom data patterns at rates up to 1150 Mb/s.*

- Either a 2^7-1 or $2^{15}-1$ data pattern can be selected
- [illegible] input frequency range of 90 Mb/s to 1150 Mb/s
- Remote control via GPIB or RS-232C
- Clock phase adjustment
- Select AUTO to synchronize, OVERRIDE to disable synchronization
- Frequency, Auto Error, Manual Error, and Total Error Rate measurements displayed



MA-550M
HIGH-SPEED DRIVER

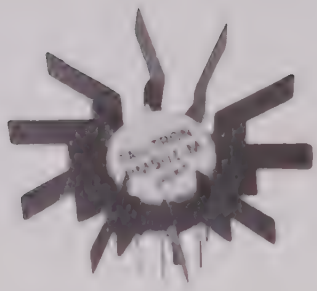
. . . a state-of-the-art thick-film hybrid capable of driving 50-ohm coax that is either terminated or unterminated, designed to be used as a signal recovery amplifier particularly geared for ATE applications as a final system output to drive the DUT pin.

- DC to 550 MHz
- Hermetically sealed
- Inspected to MIL-STD-883B

PL-204M
PHASE SHIFT HYBRID

. . . a state-of-the-art microcircuit that can be shifted over the range of ±600° with reference to the input clock, designed for use in programmable edge delay where repeatability, accuracy, and fine resolution are required.

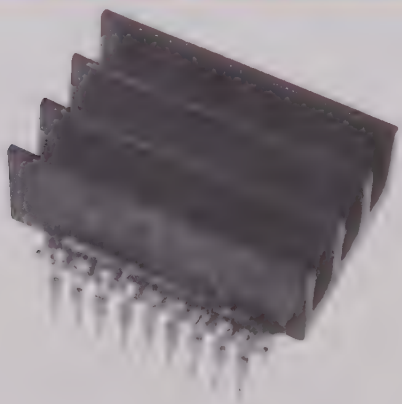
- 100 MHz to 200 MHz
- ECL, 10K-compatible, rising edge active, 50% ±10% duty cycle
- Output—ECL level into 50 ohms
- Non-linearity error—±70 ps typical



PM-501M
ULTRA WIDE-BAND PROGRAMMABLE DRIVER

. . . a state-of-the-art thin-film hybrid that can drive 50-ohm terminated coaxial cable at frequencies up to 500 MHz.

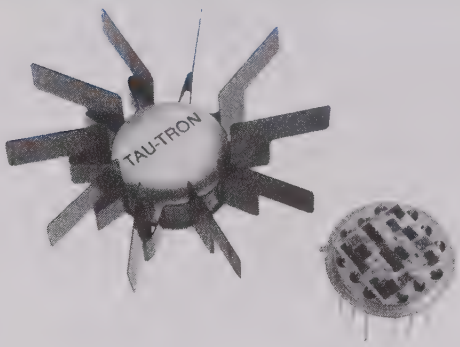
- [illegible]
- [illegible]
- [illegible]



PA-5M
PROGRAMMABLE DRIVER

. . . packaged in a 1" × 1.3" hybrid, it can drive 50-ohm coaxial cable in excess of 100 MHz with 2.5 ns typical transition time.

- Wide Band—DC to 100 MHz (140 MHz typical)
- Wide Output Range—4V peak-to peak
- Linearized V-UP, V-DN controls



MA-800M
ULTRA WIDE-BAND PROGRAMMABLE DRIVER

. . . a state-of-the-art thin-film hybrid that can drive 50-ohm terminated coaxial cable at frequencies up to 800 MHz.

- High-speed performance
- Wide output range—0.2V to 1.5V amplitude, -2V to +1.7V Voh
- Output amplitude and baseline voltage controlled

FIBEROPTICS

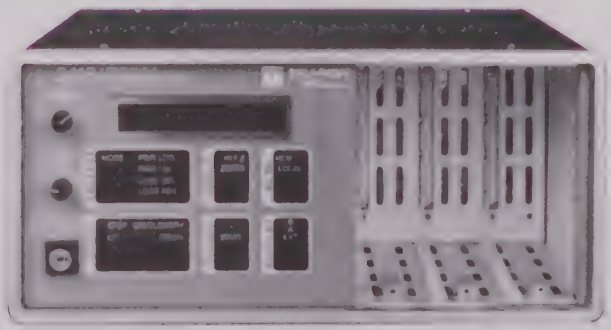
5410
MULTIMODE OPTICAL LOSS TEST SET (MOLTS)

. . . measures optical path loss at two nominal wavelengths (825 and 1300 nm) currently associated with lightwave systems.

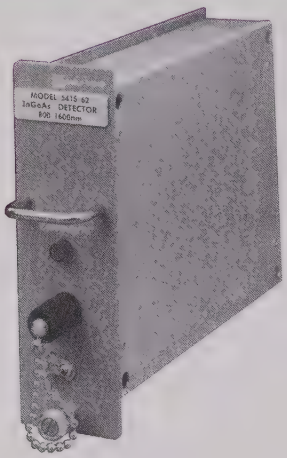
- Automatic zero; automatic self-test
- Optical loss calculation and display in dB
- One input and one output lightguide connector for both wavelengths

FIBEROPTICS MEASUREMENT UNIT . . . ***an advanced, modular-designed instrument which can be used either as a powermeter, a loss instrument, or as an optical source.***

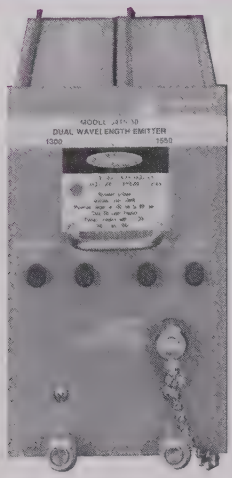
- Spectral calibration information automatically stored in internal memory
- Interfaces with both singlemode and multimode fibers
- Can be used in pairs without crosschecking
- 6.2% measurement accuracy, NBS traceable
- Power measurement range of 3 mW to 0.4 nW
- Choice of 14 emitter modules



5415
MAINFRAME . . . ***accepts one detector and two emitter modules.***



5415-62
WIDE AREA DETECTOR MODULE . . . *using InGaAs detector capable of measuring up to 100μ core fiber cable. For use with 5415 Mainframe.*



5415-30
DUAL WAVELENGTH EMITTER MODULES . . . *allow you to choose combinations of two singlemode Laser Diodes from a variety of different wavelengths.*

- 1300 nm/1550 nm standard
- Emits either wavelength through a single optical port

SINGLE WAVELENGTH EMITTER MODULES

. . . utilize multimode LED sources as well as singlemode Laser Diodes.

- Highly stabilized output
- ±5 nm or ±10 nm center wavelength tolerance

NOTE: *Dual-Slot Dual Wavelength Emitter Modules allow you to choose combinations of two Single Mode Laser Diodes from a variety of different wavelengths.*

Other Single Wavelength Emitter Modules are also available utilizing Multimode LED Sources as well as Single Mode Laser Diodes. For information on pricing and delivery contact the factory at ***1-800-TAU-TRON (1-800-828-8766)***

For single systems ordered, the desired optical port compatibility must be specified. Please contact the factory for a list of available options.

5490
VOICELINK FIBER COMMUNICATIONS SET

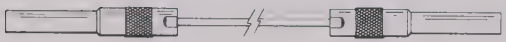
. . . a voice-over-fiber communications system designed for temporary use between remote sites during optical fiber installation and maintenance.

- Half-duplex operation over single fiber
- Voice-operated transmit/receive operation
- Operates over 47 dB multimode or 32 dB singlemode span loss
- For singlemode or multimode, bare or connectorized fiber

ACCESSORIES
DS3 Testing

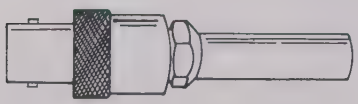
BNC to WECo 440 (Miniature) Cable

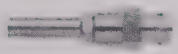
72 in. (180 cm) Coax-75 Ohm
Part Number: 9550-0022



WECo 358 to WECo 358 (Large) Cable

72 in. (180 cm) Coax-75 Ohm
Part Number: 9550-0021





BNC to WECo 440 (Miniature) Adapter

Part Number: 9304-0010

BNC to WECo 358 (Large) Adapter

Part Number

WECo 440 to WECo 440 (Miniature) Cable

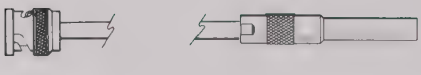
m) Coax-75 Ohm

Part Number

WECo 358 (Large) to WECo 440 (Miniature) Cable

72 in. (180 cm) Coax-75 Ohm

Part Number: 9550-0015



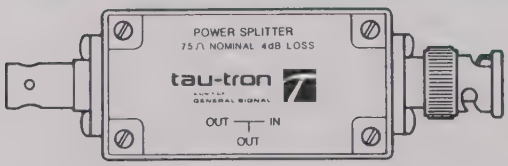
BNC to WECo 358 (Large) Cable

72 in. (180 cm) Coax-75 Ohm
Part Number: 9550-0013

Cable Simulators

LB-25 = 250-ft (76.3-m) 728A Cable
Part Number: 9585-7658

LB-45 = 450-ft (137.3-m) 728 Cable
Part Number: 9585-7660



DS3 Power Splitter

75-Ohm Nominal, 4-dB Loss
Part Number: 9585-7661

S5262-10 Mounting Shelf

Occupies eight (8) 1.75-in (4.5-cm) mounting spaces in a standard 19-in. (48-cm) equipment rack. Hooks up to eight (8) 5263 units.

5263-10 DS3 Source Module Rack

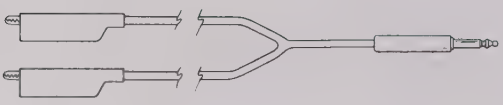
Accommodates up to four 5261 DS3 Signal Source Modules.

5263-20 Blank Panel

Used to cover up unused slots in the 5263-10 DS3 Source Module Rack.

BP-20 Blank Panel

Used to cover up unused slots in the S5262-10 Mounting Shelf.



WECo 310 to Alligator Clips

60 in. (150 cm) 2-Conductor Plastic
Part Number: 9550-0018

WECo 310 to WECo 310 Cable

72 in. (180 cm) 3-Conductor Plastic
Part Number: 9550-0019

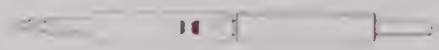
BNC to WECo 310 Cable

72 in. (180 cm) Coax-75 Ohm
Part Number: 9556-6094

Bantam Single to WECo 310 Cable

72 in. (180 cm) 3-Conductor Plastic

Part Number 9550-0008

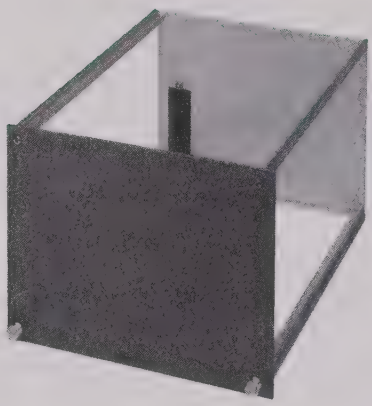


Bantam Single to WECo 310 Adapter

Part Number: 9320-0003

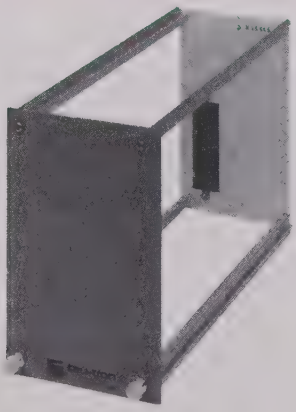
WECo 310 Plug

Part Number: 9320-0001



BP-2 Blank Module, ½-Size

For use in any unused position in the MF-5 Mainframe to provide proper airflow for cooling and to allow for insertion of user-developed circuitry.

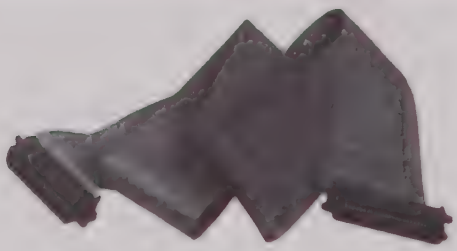


BP-4 Blank Module, ¼-Size

For use in any unused position in the MF-5 Mainframe to provide proper airflow for cooling and to allow for insertion of user-developed circuitry.

EC-1 Power Extender Cable

Connects module power connector to the MF-5 Mainframe with the module removed for servicing ease

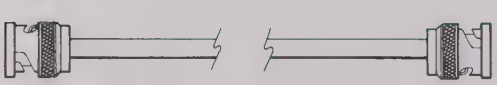


EC-3 Remote Programming Extender Cable

Connects module remote-control connector to the MF-5 Mainframe with the module removed for servicing ease

Twinax to Twinax (124-Ohm) Cable

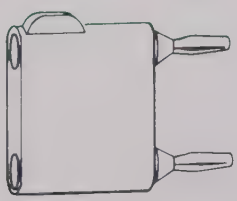
72 in. (180 cm) 3-Conductor Plastic
Part Number: 9550-0014



BNC to BNC Cable

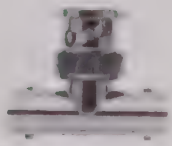
72 in. (180 cm) Coax-50 Ohm
Part Number: 9550-0010

72 in. (180 cm) Coax-75 Ohm
Part Number: 9550-0009



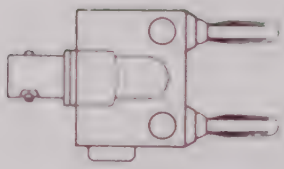
Twin Banana Plug

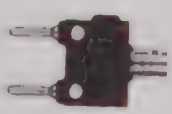
Part Number: 9321-0002



BNC Tee

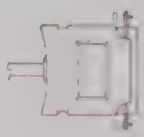
Part Number 9300-0182





BNC to Double Banana Adapter

Part Number: 9300-0181



Null Modem and 120-in. (300-cm) Cable

Null Modem

Part Number: 9550-0001

Cable Only

Part Number: 9550-0002

Carrying Cases

BERTS-25 Error Measurement System

OP-09 Hard-Shell Case

BERTS-325C Bit Error Rate Test Set

OP-09 Hard-Shell Case

BERTS-650 Bit Error Rate Test Set

OP-09 Hard-Shell Case

STX-1101 Bit Error Rate Transmitter

OP-09 Hard-Shell Case

SRX-1101 Bit Error Rate Receiver

OP-09 Hard-Shell Case

S5104 DS1/DS1C/DS2 Digital Transmission Test Set

OP-09 Hard-Shell Case
OP-10 Soft Carrying Case

S5105 DS1 Digital Transmission Error Rate Test Set

OP-10 Soft Carrying Case

S5200E-TX, -RX DS3 Digital Transmission Test Set

Transmitter and Receiver (1 each required)
OP-09 Hard-Shell Case
OP-10 Soft Carrying Case

S5250 DS3 Digital Transmission Test Set

OP-09 Hard-Shell Case
OP-10 Soft Carrying Case

5415 Fiberoptics Measurement Unit

OP-09 Hard-Shell Case
OP-10 Soft Carrying Case

5902 Printer

OP-10 Small, Soft Carrying Case
OP-11 Large, Soft Carrying Case

Remember . . .

For complete product information, return the enclosed reply card.

And for future reference, detach the Rolodex card below and insert it into your file.

tau-tron
A UNIT OF
GENERAL SIGNAL

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(1-800-828-8766)

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1. I wish to receive updated issues of the Short Form Catalog:
   ( ) Yes ( ) No
2. I am currently on Tau-tron's Mailing List:
   ( ) Yes ( ) No
3. Name _____
   Title _____
   Company _____
   Address _____
   State & Zip _____
   Phone _____
4. I am interested in:
   ( ) Bit Error Rate Testing
   ( ) Digital Transmission Testing
   ( ) Fiberoptic Instrumentation
   ( ) High-Speed Digital Testing
5. Please send me any literature on the items I have checked off above:
   ( ) Yes ( ) No
6. Please have a salesman call:
   ( ) Yes ( ) No

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GENERAL SIGNAL

Digital Instruments Division

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